

Fig. 1

SEQ : 27_8_Human_B7-1	1	Signal sequence			Extracellular domain (ECD)	→
	(1)	MGHTRQGSPKCPVLFQQLVIAGLSHFCG--VHVKEVATLSCGHNVSELAOTR1TQEKKAVLTMS				
SEQ : 048_R1_Clone_71	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 049_R1_Clone_84	(1)	MGHTRPOTPLPRCHLKLICLLAAGLHSS9--1SQTVESTERKAALCDYNTISIDELARM1LYQDSDMVTLMS				
SEQ : 050_R1_Clone_118	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 051_R1_Clone_126	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 052_R2_CD28BP-1	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 053_R2_CD28BP-2	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 054_R2_CD28BP-3	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 055_R2_CD28BP-4	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 056_R2_CD28BP-5	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 057_R2_CD28BP-6	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 058_R2_CD28BP-7	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 059_R2_CD28BP-8	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 060_R2_CD28BP-9	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 061_R2_CD28BP-10	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 062_R2_CD28BP-11	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 063_R2_CD28BP-12	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 064_R2_CD28BP-13	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 065_R2_CD28BP-14	(1)	MGHTRPOTPLPRCHLKLICLLAAGLHSS9--1SQTVESTERKAALCDYNTISIDELARM1LYQDSDMVTLMS				
SEQ : 066_R2_CD28BP-15	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 067_R2_CD28BP-16	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 068_R2_CD28BP-17	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 074_cd28a12-5	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 175_cd28a4-5star	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 176_cd28a4-9	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 177_cd28a6-9	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 178_cd28a6-1	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 179_cd28a8-4	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 180_cd28a8-6	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 181_cd28B2-8	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 182_cd28a4-3	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 183_cd28B6-3	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 184_cd28B6-6	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 185_cd28a8-5star	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				
SEQ : 186_cd28e11-5	(1)	MGHTRKGNSLPPRCPCLMISOLVITGLPFPGSGITPSYTERVEVTLMSCDYNTSTEELSLR1IYQDSDMVTLMS				

Fig. 2A

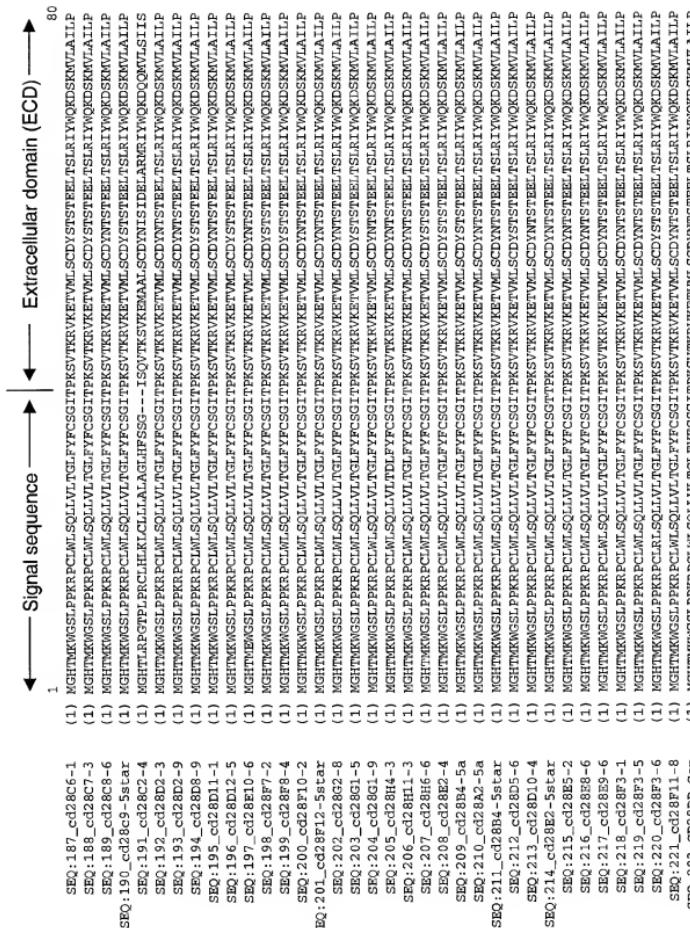


Fig. 2B

	Extracellular domain (ECD)	81	GDNIPPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI
SEQ: 278_Human_B7-1	(79) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI		
SEQ: 049_R1_Clone_84	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 050_R1_Clone_118	(78) GOEVWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(78)	
SEQ: 051_R1_Clone_126	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 052_R2_CD2BBP-1	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 053_R2_CD2BBP-2	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 054_R2_CD2BBP-3	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 055_R2_CD2BBP-4	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 056_R2_CD2BBP-5	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 057_R2_CD2BBP-6	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 058_R2_CD2BBP-7	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 059_R2_CD2BBP-8	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 060_R2_CD2BBP-9	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 061_R2_CD2BBP-10	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 062_R2_CD2BBP-11	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 063_R2_CD2BBP-12	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 064_R2_CD2BBP-13	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 065_R2_CD2BBP-14	(78) GOEVWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(78)	
SEQ: 066_R2_CD2BBP-15	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 067_R2_CD2BBP-16	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 068_R2_CD2BBP-17	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 114_cd2aa12-5	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 176_cd2aa4-9star	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 177_cd2aa6-9	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 178_cd2aa6-1	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 179_cd2aa8-4	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 180_cd2aa8-6	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 181_cd2bb2-8	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 182_cd2bb4-3	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 183_cd2bb6-3	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 184_cd2bb6-6	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 185_cd2bb6-5star	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	
SEQ: 186_cd2cl1-5	(81) GKVQWPEYKRNITDIDTINNLISIVILALRPSDEGTIECVIKL-T-EKDAFREHLA-EVTLSTKADEFPTPSISDFEPTSMI	(81)	

Fig. 2C

	Extracellular domain (ECd)	160
SEQ:187_cd28C6-1	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	81
SEQ:188_cd28C7-3	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:189_cd28C8-6	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:190_cd28E9-5star	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:191_cd28C2-4	(78) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:192_cd28D2-3	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:193_cd28D2-9	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:194_cd28D8-9	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:195_cd28D11-1	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:196_cd28D12-5	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:197_cd28E10-6	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:198_cd28F7-2	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:199_cd28F8-4	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:200_cd28F10-2	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:201_cd28F12-9star	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:202_cd28G2-8	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:203_cd28G3-5	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:204_cd28G1-9	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:205_cd28H4-3	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:206_cd28H1-3	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:207_cd28H6-6	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:208_cd28B2-4	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:209_cd28B4-5a	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:210_cd28B2-5a	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:211_cd28B4-5star	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:212_cd28D5-6	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:213_cd28D10-4	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:214_cd28E2-5star	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:215_cd28B5-2	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:216_cd28B8-6	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:217_cd28B9-6	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:218_cd28F3-1	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:219_cd28F3-5	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:220_cd28F3-6	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:221_cd28F11-8	(81) GKVQWPEKRNITDMDNPRIVIALRLSDSQTTCVTKPLGAYKLELASVLMTRADFPFPTINDLGNSPNI	
SEQ:283_CD28BP_Con		

Fig. 2D

Fig. 2E

	Extracellular domain (ECD)	6/43
SEQ: 278_Human_B7-1		
SEQ: 048_R1_Clone_71	(158) ERICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SEQ: 049_R1_Clone_84	(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA (157) KRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 050_R1_Clone_118		(157) KRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 051_R1_Clone_126		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 052_R2_CD28BP-1		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 053_R2_CD28BP-2		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 054_R2_CD28BP-3		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 055_R2_CD28BP-4		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 056_R2_CD28BP-5		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 057_R2_CD28BP-6		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 058_R2_CD28BP-7		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 059_R2_CD28BP-8		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 060_R2_CD28BP-9		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 061_R2_CD28BP-10		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 062_R2_CD28BP-11		(160) KRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 063_R2_CD28BP-12		(160) KRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 064_R2_CD28BP-13		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 065_R2_CD28BP-14		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 066_R2_CD28BP-15		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 067_R2_CD28BP-16		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 068_R2_CD28BP-17		(160) KRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 117_cd28A1-5		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 171_cd28A4-5star		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 177_cd28B6-9		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 178_cd28A6-1		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 179_cd28A8-4		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 180_cd28A8-6		(160) KRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 181_cd28B2-8		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 182_cd28B4-3		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 183_cd28B6-3		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 184_cd28B6-6		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 185_cd28B8-5star		(161) RLLICSTSGGPFPRHLYWLENGEELNANTVSDQDPETLVA KIRICSGGGFPRHLYWLENGEELNANTVSDQDPETLVA SSELDEVNINNHISIIVCLIKYCELSVSQIFPMSKPKQE
SEQ: 186_cd28C11-5		

	Extracellular domain (ECD)
SEQ:187_cd8C6-1	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:188_cd8C7-3	(161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:189_cd8C8-6	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:190_cd289-5-star	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (158) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:191_cd282-4	(159) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:192_cd282-3	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:193_cd28D-9	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:194_cd28D-9	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:195_cd2BD11-1	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:196_cd2BD12-5	(161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:197_cd2B910-6	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:198_cd2BF7-2	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:199_cd2BF8-4	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:200_cd2BF10-2	(161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:201_cd2BF12_5-Lar	(161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:202_cd2BG2-8	(161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (160) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:203_cd2BG1-9	(161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:204_cd2BG1-9	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:205_cd2B94-3	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:206_cd2B911-3	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) RELICS -- -GPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:207_cd2B96-6	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:208_cd2BZ-4	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:209_cd2B84-5a	(161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:210_cd2B82-5a	(161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:211_cd2B84-5-star	(161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:212_cd2BD5-6	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (160) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:213_cd2B910-4	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:215_cd2NE5-2	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ (161) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:216_cd2B88-6	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:217_cd2B9-6	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:218_cd2BP3-1	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:219_cd2BP3-5	(160) KRURCSASGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:220_cd2BP3-6	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:221_cd2BP11-8	(161) RELICSTSGGPFPRPHYLWNLNGEELNANTNTSODGETMISSELDENVTNNNSIVCLYKGYLSVSQIIPWKSKEQ
SEQ:283_CD2BP_Con	

Fig. 2F

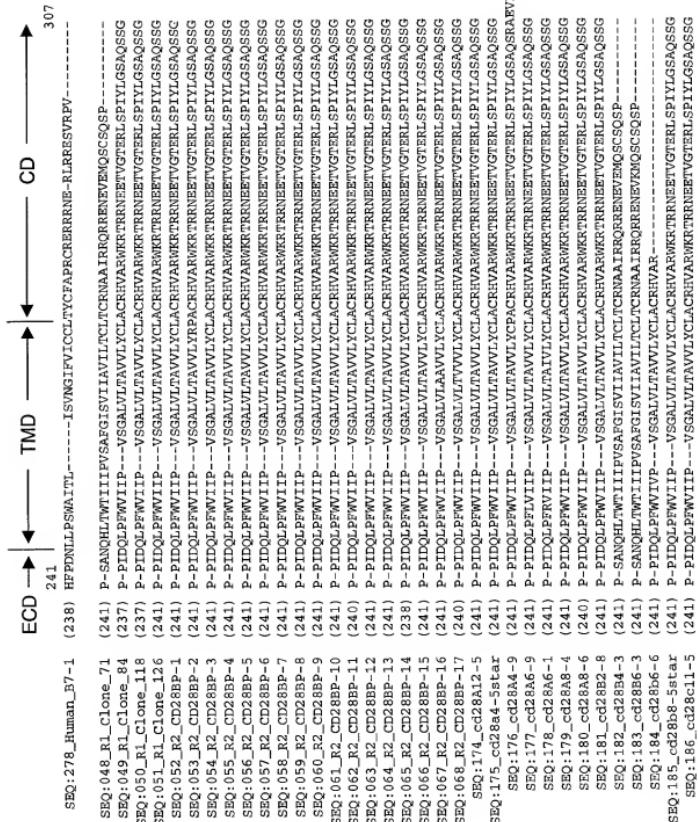


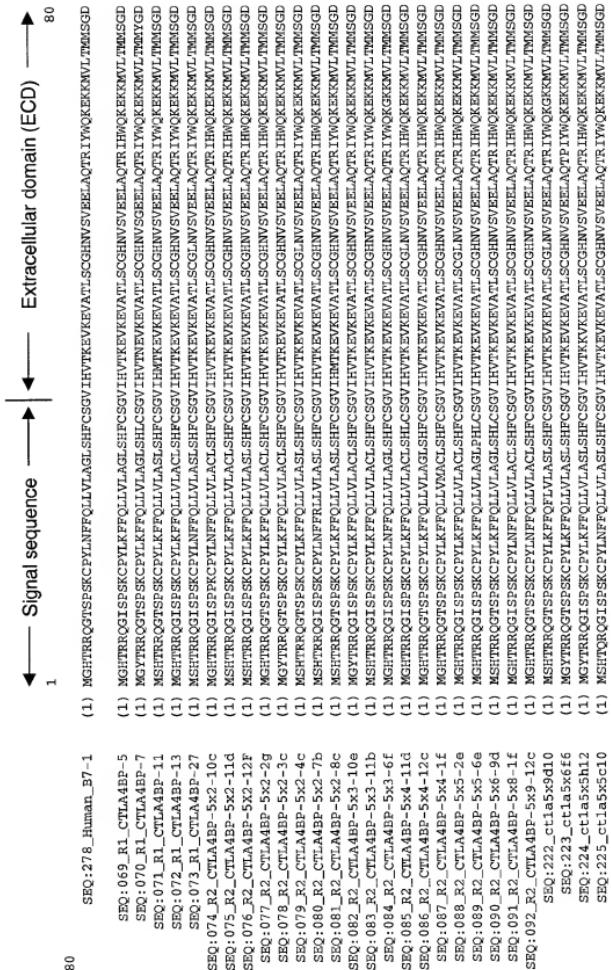
Fig. 2G

TMD → CD → ECD

	241	CD	CD	TMD	CD	ECD
SEQ:1:87_cd28C6-1	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:88_cd28C7-3	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:89_cd28C8-6	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:90_cd28C9-5star	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:91_cd28C2-4	(238) P-SANOHUWTWIIPIVPSAFGIVSITIATIVLTICLCAVTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:92_cd28D2-3	(239) P-SANOHUWTWIIPIVPSAFGIVSITIATIVLTICLCAVTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:93_cd28D2-9	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:94_cd28D8-9	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:95_cd28D11-1	(240) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:96_cd28D12-5	(238) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:97_cd28E1-6	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:98_cd28F7-2	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:1:99_cd28F8-4	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:200_cd28F10-2	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:201_cd28F12-5star	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:202_cd28G2-8	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:203_cd28G1-5	(240) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:204_cd28G1-9	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:205_cd28H1-3	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:206_cd28H11-3	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:207_cd28H6-6	(238) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:208_cd28E2-4	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:209_cd28B4-5a	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:210_cd28A2-5a	(241) P-SANOHUWTWIIPIVPSAFGIVSITIATIVLTICLCAVTRTRNEEVTERLSPTYLGSQSSG					
SEQ:211_cd28B4-5star	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:212_cd28D5-6	(241) P-SANOHUWTWIIPIVPSAFGIVSITIATIVLTICLCAVTRTRNEEVTERLSPTYLGSQSSG					
SEQ:213_cd28D10-4	(240) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:214_cd28E2-5star	(241) P-SANOHUWTWIIPIVPSAFGIVSITIATIVLTICLCAVTRTRNEEVTERLSPTYLGSQSSG					
SEQ:215_cd28B5-2	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:216_cd28B8-6	(241) P-SANOHUWTWIIPIVPSAFGIVSITIATIVLTICLCAVTRTRNEEVTERLSPTYLGSQSSG					
SEQ:217_cd28B9-6	(241) P-SANOHUWTWIIPIVPSAFGIVSITIATIVLTICLCAVTRTRNEEVTERLSPTYLGSQSSG					
SEQ:218_cd28P3-1	(241) P-SANOHUWTWIIPIVPSAFGIVSITIATIVLTICLCAVTRTRNEEVTERLSPTYLGSQSSG					
SEQ:219_cd28F3-5	(240) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:220_cd28F7-1	(241) P-PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					
SEQ:221_cd28F11-8	(238) P-SANOHUWTWIIPIVPSAFGIVSITIATIVLTICLCAVTRTRNEEVTERLSPTYLGSQSSG					
SEQ:223_cd28B8_Con	(241) P_PIDOLPPWVTP---VSGLAVLTAVVLYCLACRIVARTRTRNEEVTERLSPTYLGSQSSG					

Fig. 2H

Fig. 3A



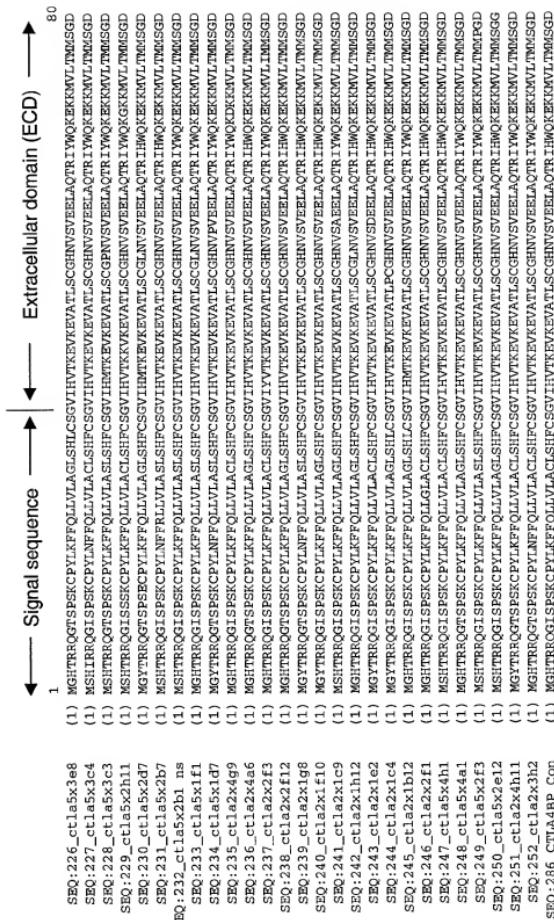


Fig. 3B

TOUZET™ TRACOUT

SEQ: 278_Human_B7-1	Extracellular domain (ECD)	160
81	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 059_R1_CTLA4BP-5	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 070_R1_CTLA4BP-7	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 071_R1_CTLA4BP-11	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 072_R1_CTLA4BP-13	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 073_R1_CTLA4BP-27	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 074_R2_CTLA4BP-5x2-10c	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 075_R2_CTLA4BP-5x2-11d	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 076_R2_CTLA4BP-5x2-12F	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 077_R2_CTLA4BP-5x2-2g	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 078_R2_CTLA4BP-5x2-3c	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 079_R2_CTLA4BP-5x2-4c	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 080_R2_CTLA4BP-5x2-7b	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 081_R2_CTLA4BP-5x2-8c	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 082_R2_CTLA4BP-5x3-10e	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 083_R2_CTLA4BP-5x3-11b	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 084_R2_CTLA4BP-5x3-6f	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 085_R2_CTLA4BP-5x3-11d	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 086_R2_CTLA4BP-5x3-12c	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 087_R2_CTLA4BP-5x4-1f	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 088_R2_CTLA4BP-5x5-4e	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 089_R2_CTLA4BP-5x5-6e	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 090_R2_CTLA4BP-5x6-9d	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 091_R2_CTLA4BP-5x8-1f	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 092_R2_CTLA4BP-5x9-14c	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 222_ctl15x9_d10	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 223_ctl15x9_66	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 224_ctl15x9_h12	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	
SEQ: 225_ctl15x5_c10	(81) MMTWPEYKRNRTIEDITNNLSIVILARLPSPDGGTYECVVLKYEVDKAEVTLAEVMSVKADEFPTTSISDFEIPFTSNIRI	

Fig. 3C

12/43

		Extracellular domain (ECD)	
		160	
81	MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:226_crla5x3e8	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:227_crla5x1c4	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:228_crla5x1c3	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:229_crla5x2h1	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:230_crla5x2d7	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:231_crla5x2b7	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:232_crla5x2b1_ns	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:233_crla5xf1	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:234_crla5x1d7	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:235_crla2x4g9	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:236_crla2x4f6	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:237_crla2x4f3	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:238_crla2x2b1	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:239_crla2x1g8	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:240_crla2x1l0	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:241_crla2x1c9	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:242_crla2x1l2	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:243_crla2x1e2	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:244_crla2x1c4	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:245_crla2x1b12	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:246_crla2xf1	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:247_crla2x1h1	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:248_crla2x1ai	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:249_crla2xf3	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:250_crla5x2a12	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:251_crla2x4h11	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:252_crla2x1h2	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		
SEQ:286_CML4BP_Con	(81) MLWPEKTKNNTIPDITNNLSIVLALARPSDEGTVCVLYKEVDKFREHLAEVTLSTYKADPFTPSISDPEIPSNIRI		

Fig. 3D

240 → Extracellular domain (EDC) ←

1.61	SEQ_2178_Ruman_B7-1	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_069_R1_CTLA4BP_5	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_070_R1_CTLA4BP_7	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_071_R1_CTLA4BP_11	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_072_R1_CTLA4BP_13	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_073_R1_CTLA4BP_27	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_074_R2_CTLA4BP_5x2-10c	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_075_R2_CTLA4BP_5x2-11d	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_076_R2_CTLA4BP_5x2-12P	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_077_R2_CTLA4BP_5x2-2g	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_078_R2_CTLA4BP_5x2-3c	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_079_R2_CTLA4BP_5x2-4c	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_080_R2_CTLA4BP_5x2-7b	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_081_R2_CTLA4BP_5x2-8e	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_082_R2_CTLA4BP_5x3-10e	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_083_R2_CTLA4BP_5x3-11b	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_084_R2_CTLA4BP_5x3-6f	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_085_R2_CTLA4BP_5x4-11d	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_086_R2_CTLA4BP_5x4-12c	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_087_R2_CTLA4BP_5x4-1f	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_088_R2_CTLA4BP_5x5-2e	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_089_R2_CTLA4BP_5x5-6e	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_090_R2_CTLA4BP_5x6-9d	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_091_R2_CTLA4BP_5x8-1f	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_092_R2_CTLA4BP_5x8-12c	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_092_ctl15x9d10	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_123_ctlax616	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_124_ctlax5xh12	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP
	SEQ_225_ctlax5xcl0	(161)	ICSTSGGPPEPH_SMLENGEELNAINNTVSODDETELAVASSKLDEFNMTTHSPMLIKYCHLRVNQPMNNTPKOEHP

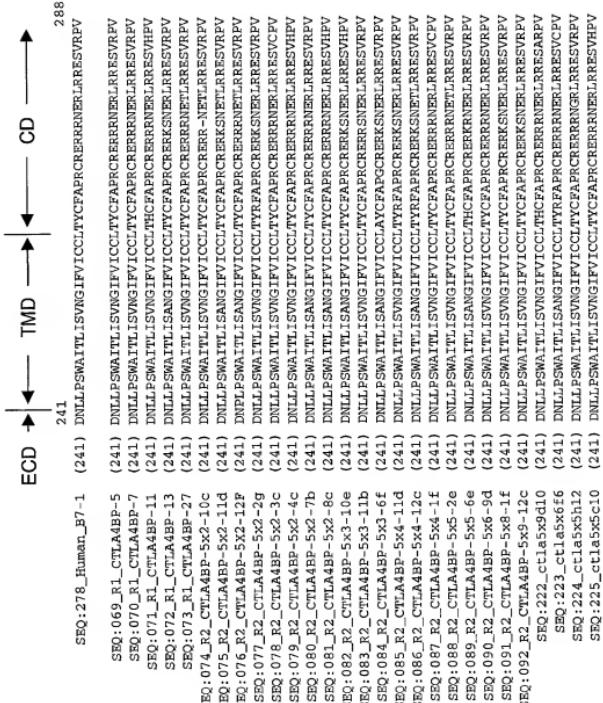
Fig. 3E

Extracellular domain (ECD) —————→

	161	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 226_ct1a5x3e8	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 227_ct1a5x3c4	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 228_ct1a5x3c3	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 229_ct1a5x2h11	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 230_ct1a5x2d7	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 231_ct1a5x2b7	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 232_ct1a5x2b1_ns	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 233_ct1a5x1f1	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 234_ct1a5x1d1	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 235_ct1a2x4g9	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 236_ct1a2x4a6	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 237_ct1a2x2f3	(160)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 238_ct1a2x2f2	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 239_ct1a2x1g8	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 240_ct1a2x1f10	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 241_ct1a2x1c9	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 242_ct1a2x1h12	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 243_ct1a2x1e2	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 244_ct1a2x1c4	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 245_ct1a2x1b12	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 246_ct1a2x2f1	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 247_ct1a5x2h1	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 248_ct1a5x4a1	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 249_ct1a5x4f3	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 250_ct1a5x2a12	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 251_ct1a2x4h11	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 252_ct1a2x3h2	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP
SEQ: 286_CTL4BP_Con	(161)	ICSTSGGFPPEPHLFWLENGEELANAINTNTSODPTELTVSSKLDFMTNTAHSFVCLIKYGHLRVNQTFNMMTPKQHFFP

Fig. 3F

16/43





241 DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

(241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:227_ctla5xcl4 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:228_ct15xcl3 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:229_ctla5x2hl1 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:230_ctla5x2hl1 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:231_ctla5x2hl7 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:232_ctla5x2hl8_ns (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:233_ctla5xcl7 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:234_ctla5xcl7 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:235_ct12x4g9 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:236_ct12x4g9 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:237_ctla2x46 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:238_ctla2x46 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:239_ctla2x12 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:240_ctla2x10 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:241_ctla2x10 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:242_ctla2x12 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:243_ctla2x12 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:244_ctla2x12 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:245_ctla2x12 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:246_ct12x2c51 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:247_ctla5x4hl (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:248_ctla5x4hl (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:249_ctla5x2f3 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:250_ctla5x2f3 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:251_ctla5x2f3 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:252_ctla2x3n2 (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

SEQ:256_CTMABP_Con (241) DNLLPSPWATLISANGIVFICLTYCFAPIGRERERNEELRRESVPV

Fig. 3H

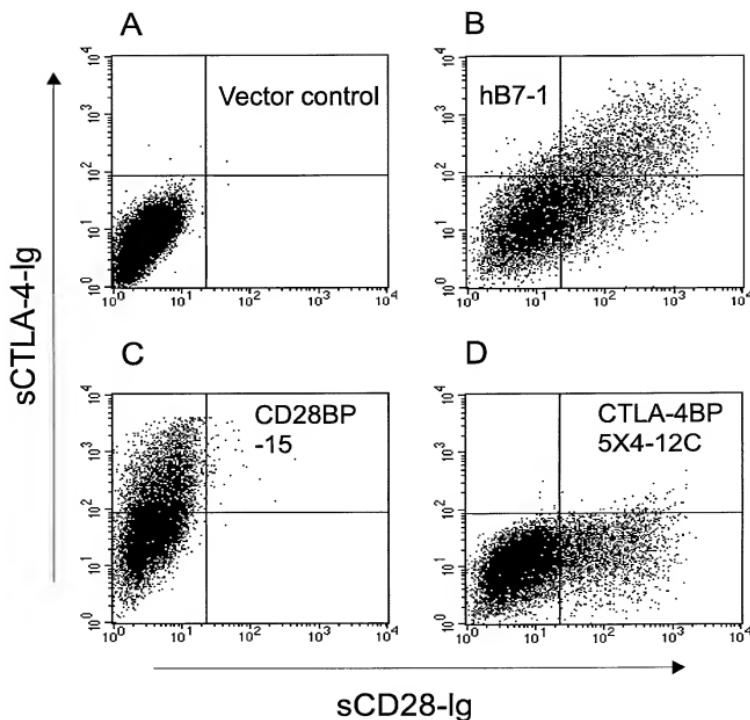


Fig. 4

19/43

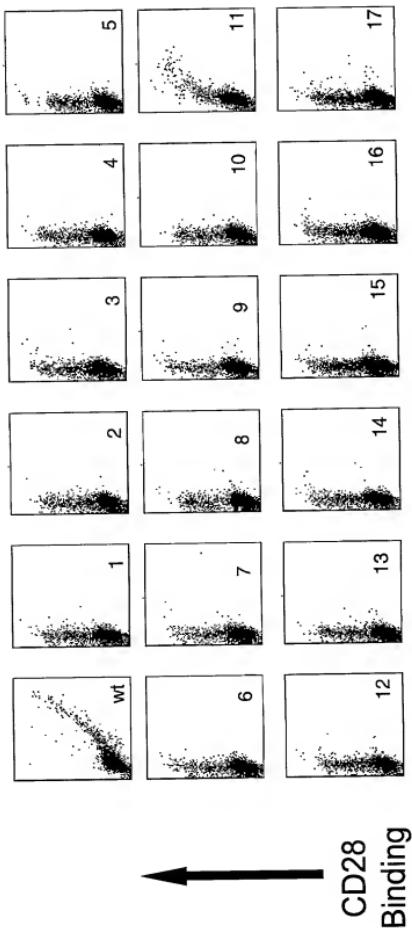


Fig. 5

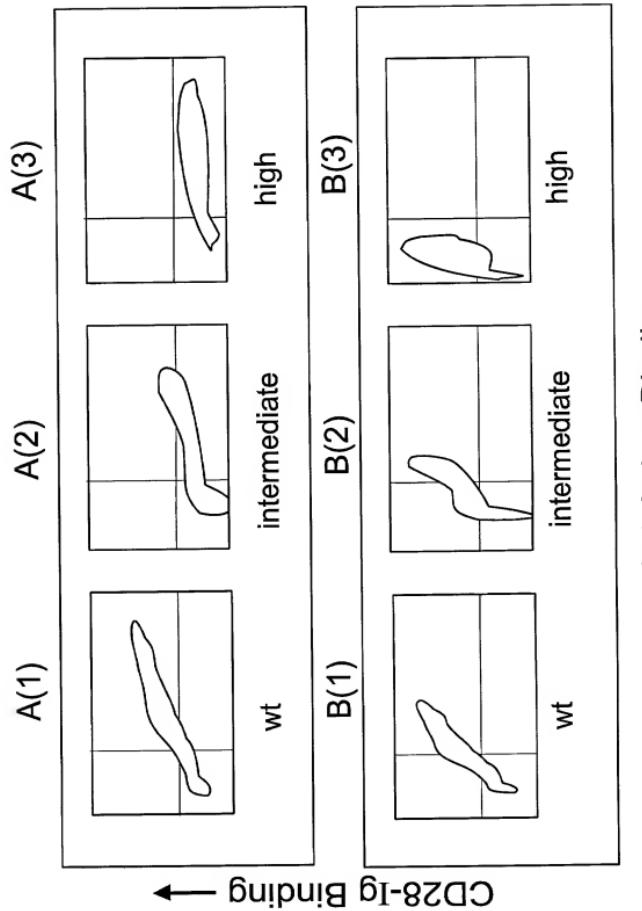


Fig. 6

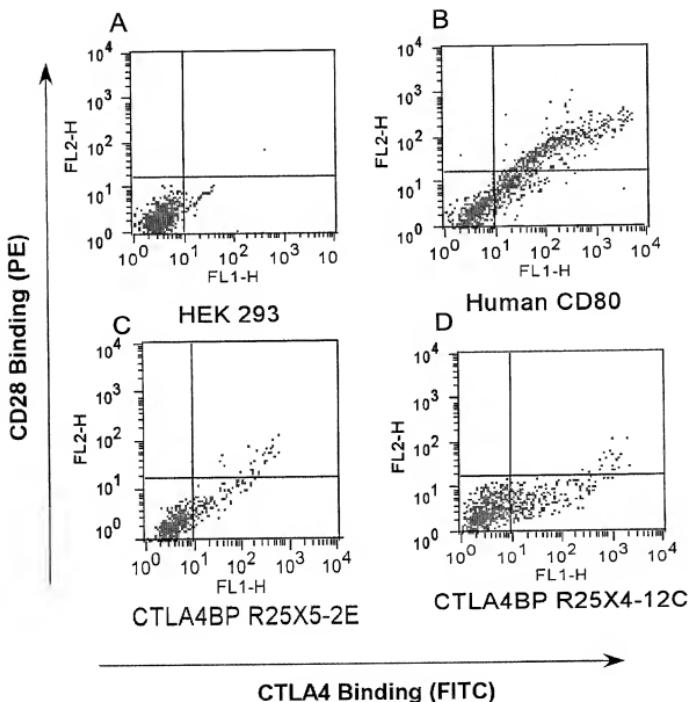


Fig. 7A-D

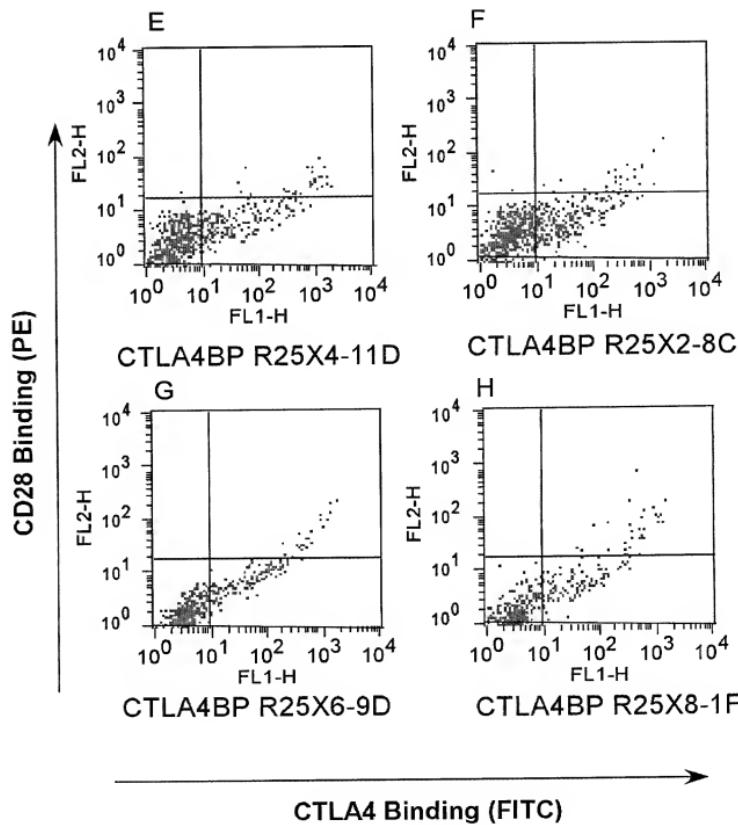


Fig. 7E-H

Fig. 8A

CTLA-4BP

```

MGHTRRQGTPSPSKCPYLKFFQLLVLAGLSHFCSGVIVHTKEVATLSCGHNVSVEEFLAQ
RHWQKEKKMVLTMMSGDMNIWPEYKNRTIFDTNNLSIVMLALRPSDEGYECVWLKYEKDAF
REHLAEVMLSVKADFPPTSIDFEI*PNSNIRRIICSTSGFPPEHL*FMLENGEELNAINNTTVSQ
DPETELYTVSSKLDNFNMTTNHSFMCLIKYGHLRVNQTFNWNITPQ*QEHPFDNLPPSWAITLISA
NGFVICCLTYRFAPRCRERKSNETLRRRESVRV

```

Fig. 8B

CD28BP

```

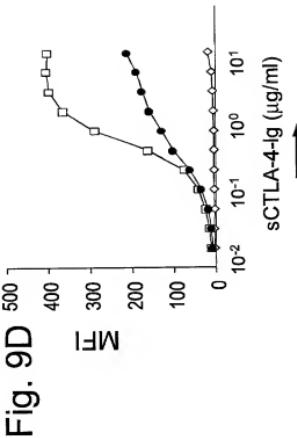
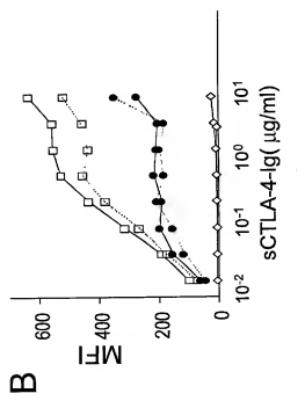
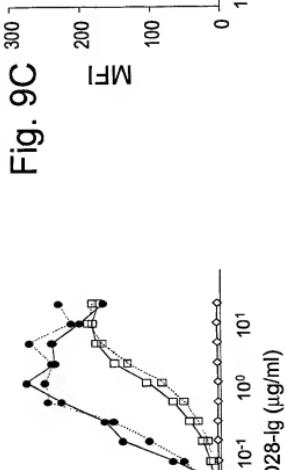
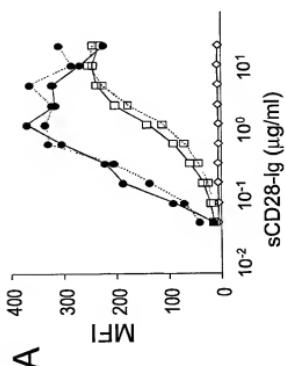
MGHTMKWGLPPKRRLCWLSQLLLTIGFYECGGTPKSVTKRVKETVMLS*CDNTSTEELT
SLRIYWQKD*KMVLAILPGKVQWPEYKNRTITDMNDP*RPSDSGTYTCVIQKPVLK
GAYKLEHLAS*VRLMIRADFPVPTINDLGNPSPNIRRLLCSTSGGGFPRPHLYWLENGEELNATNT
TVSQDPGTFLYMISS*ELDFNVTNNHISIVCLIKY*GELSVSQI*FW*PKQE*PDQLPPWVII*IPVS
GALVIAWLYCLACRHYARWKRT*RRNEETVGTERLSP*YI*LSAQSSG

```

- human
- orangutan
- rhesus
- baboon
- rhesus/baboon
- cow
- rabbit

TOLDEO T. HIRIZUMI ET AL.

- Vector control
- CD28BP-15
- hB7-1
- hB7-1-Flag
- △- CTLA-4BP-5X4-12c



◇ Vector control
 □ hB7-1
 ▨ hB7-1-Flag
 ● CD28BP-15
 ○ CD28BP-Flag
 ▲ CTLA-4BP 5X4-12c

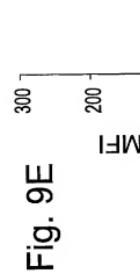


Fig. 9E MFI

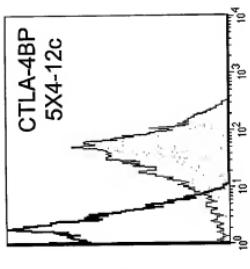


Fig. 9G MFI

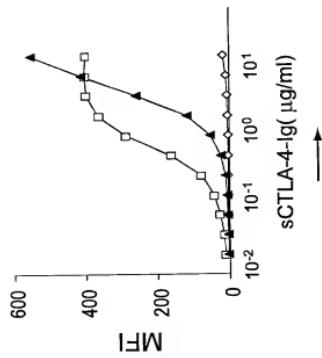


Fig. 9H MFI

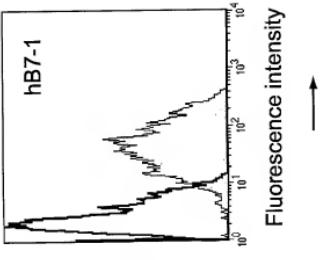


Fig. 9H MFI

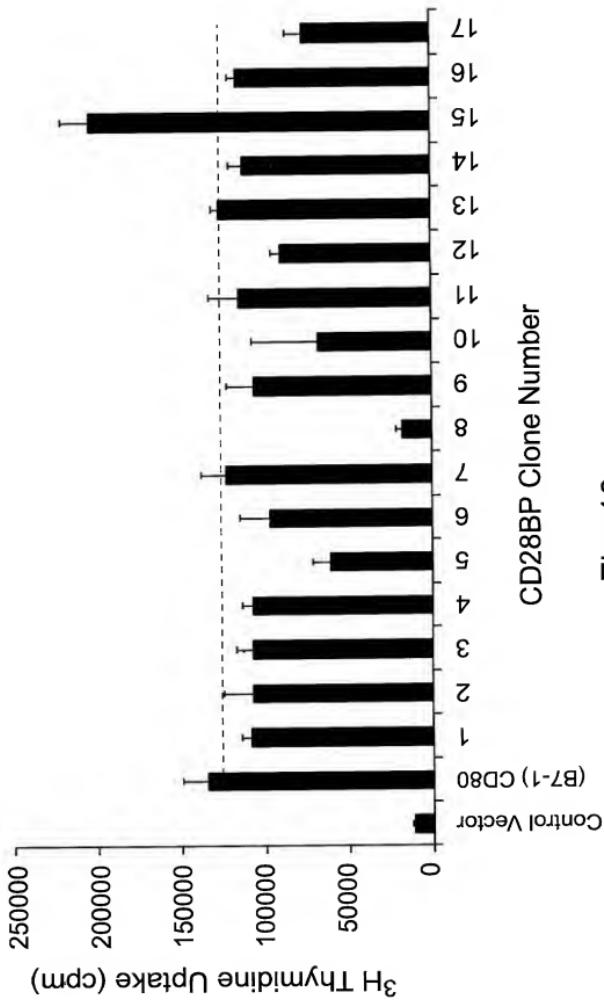


Fig. 10

Fig. 11A

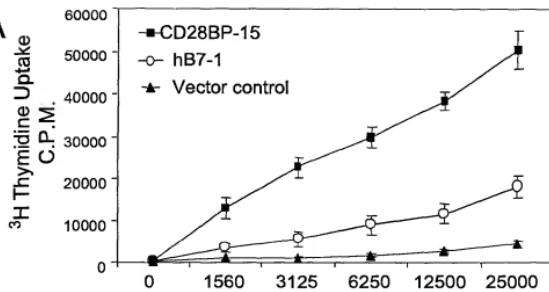


Fig. 11B

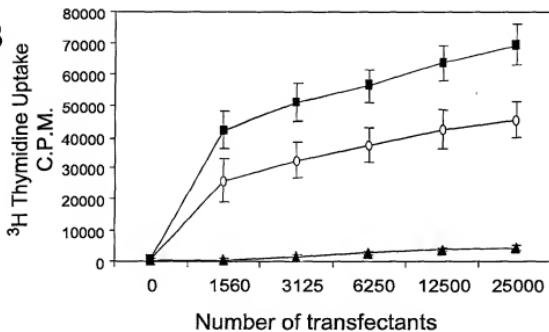


Fig. 11C

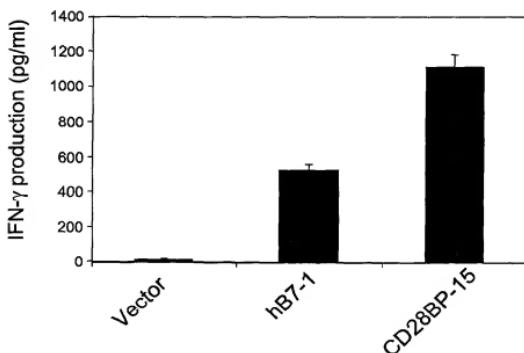


Fig. 12

CTLA-4 BP Clone

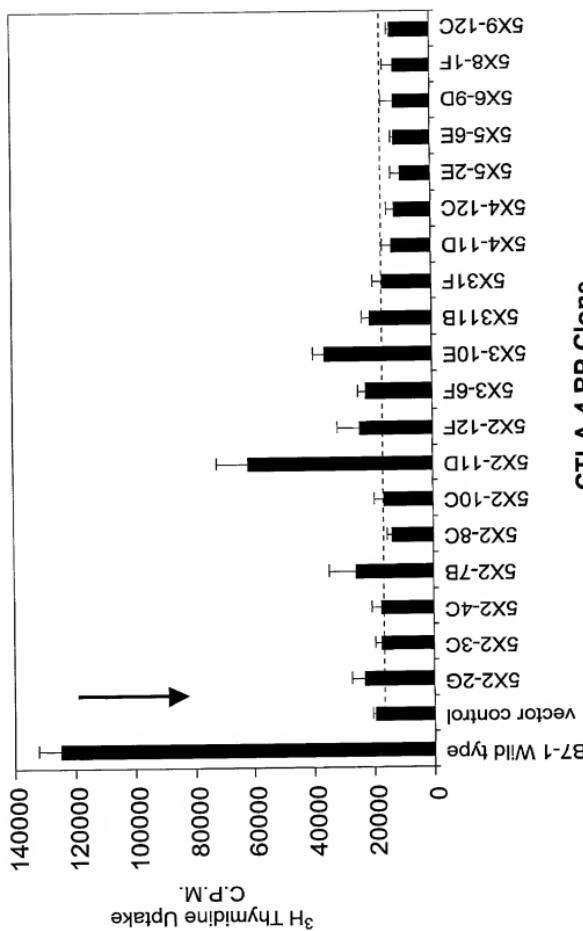


Fig. 13A

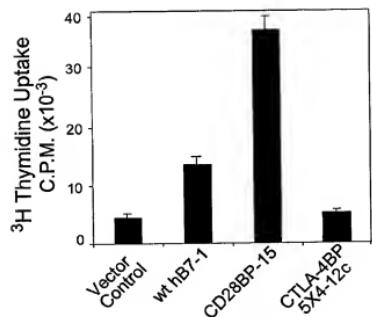


Fig. 13B

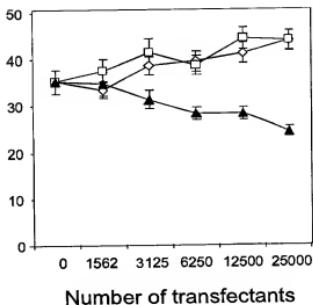


Fig. 13C

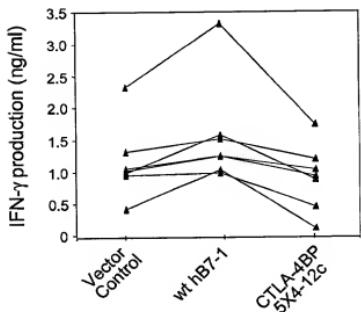


Fig. 13D

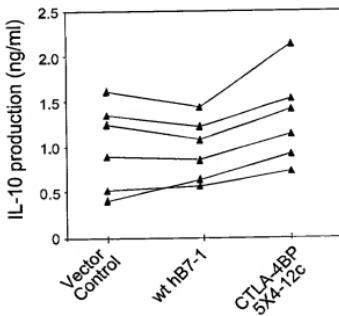


Fig. 14A

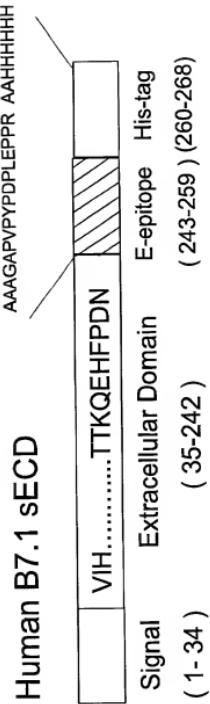
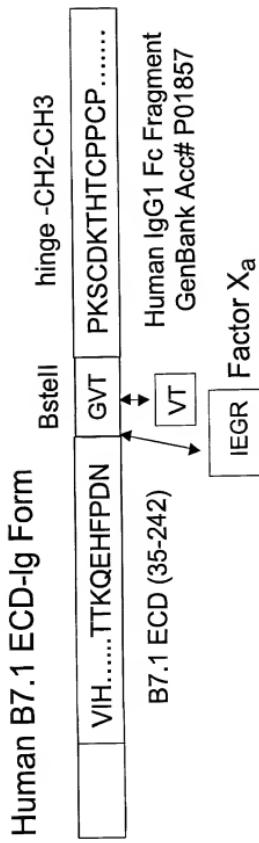


Fig. 14B



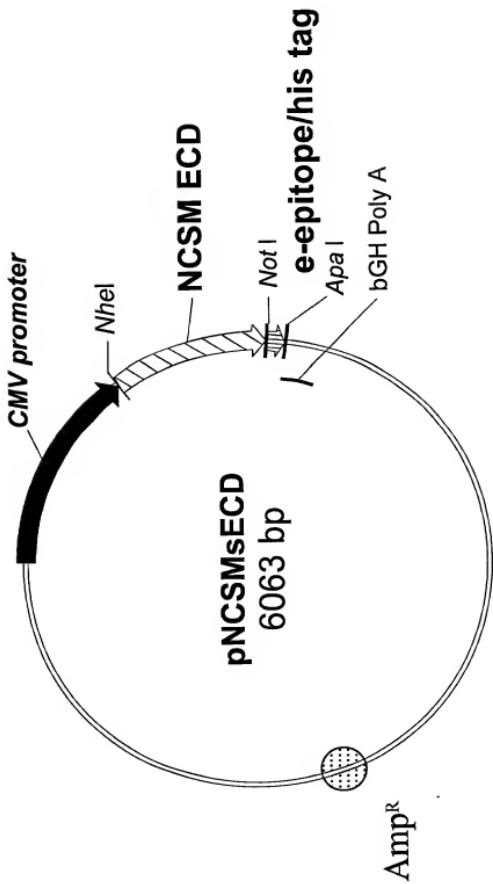


Fig. 15

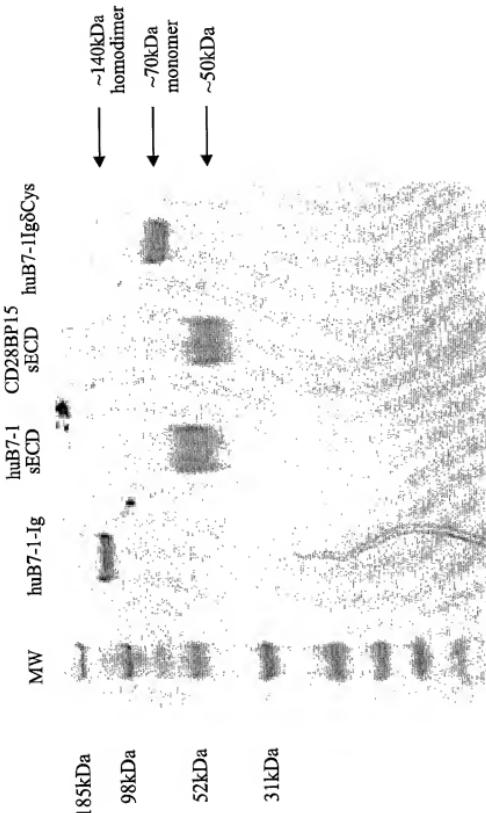


Fig. 16

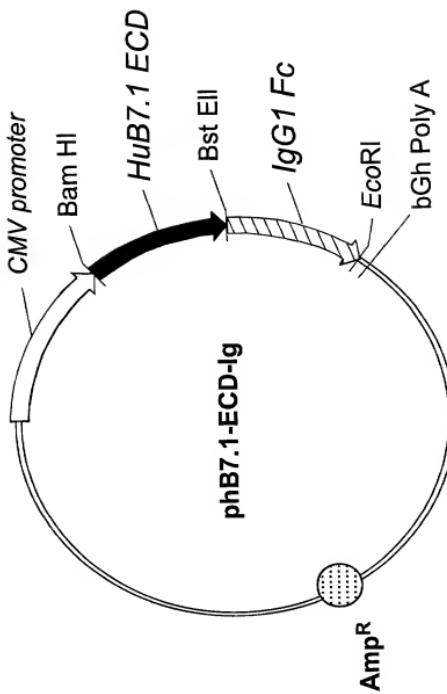


Fig. 17

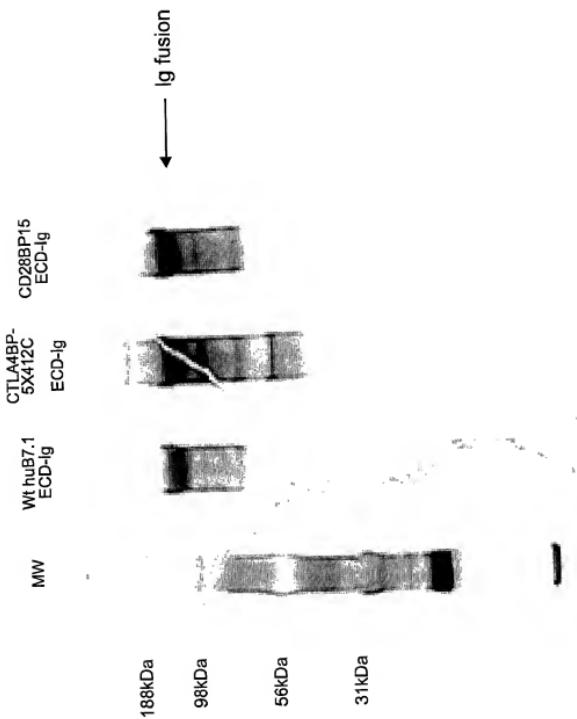


Fig. 18

Expression of CTLA-4BP-Ig and CD28BP-Ig Proteins



Fig. 19

36/43

Fig. 20A

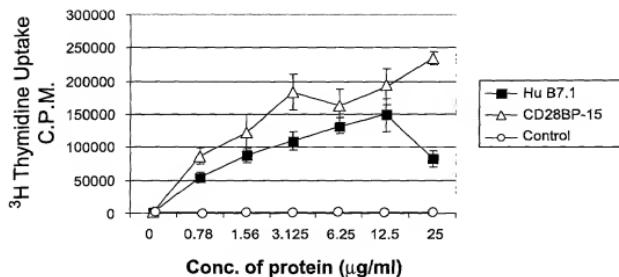
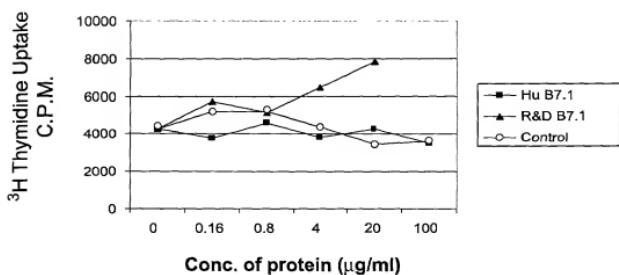


Fig. 20B



37/43

Fig. 20C

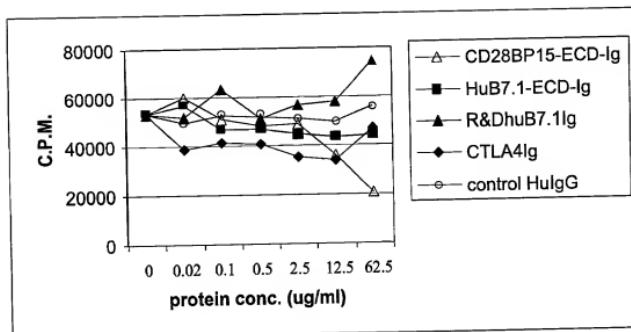
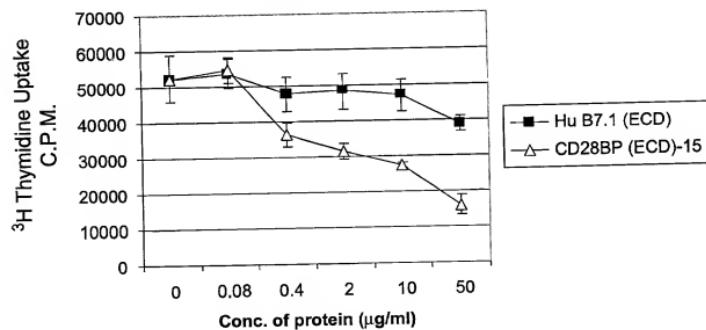


Fig. 20D



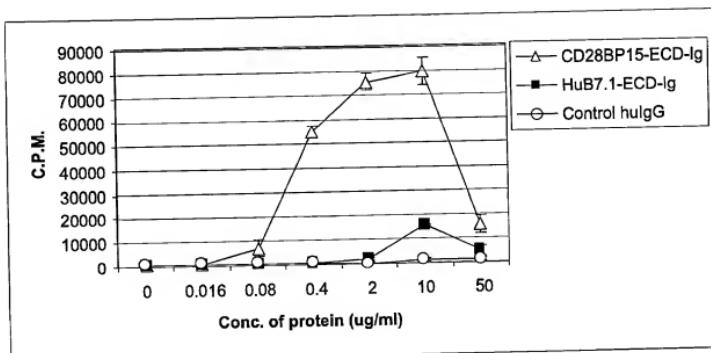


Fig. 20E

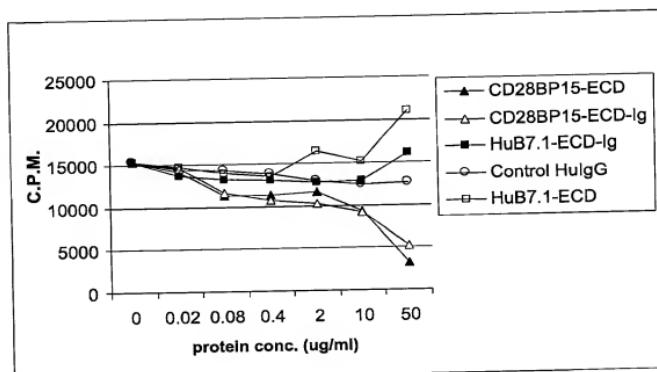


Fig. 20F

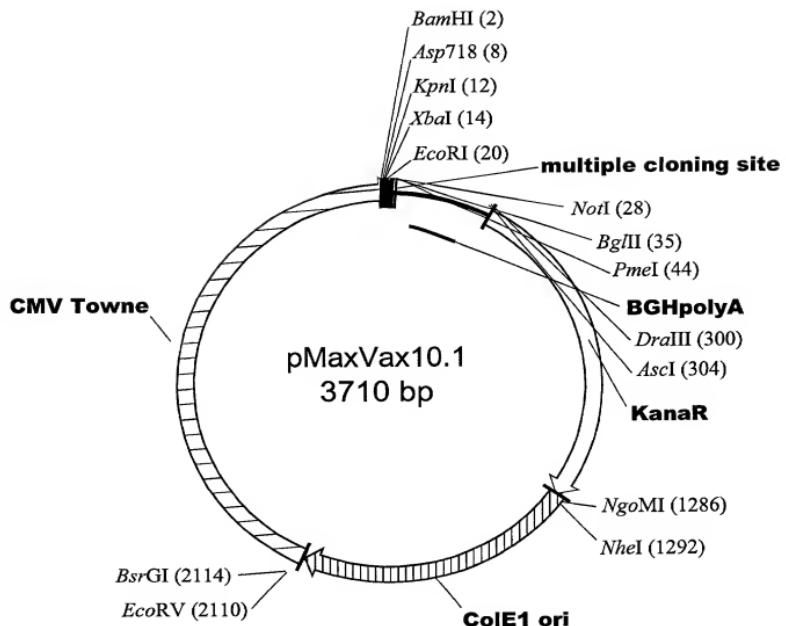


Fig. 21

Fig. 22A

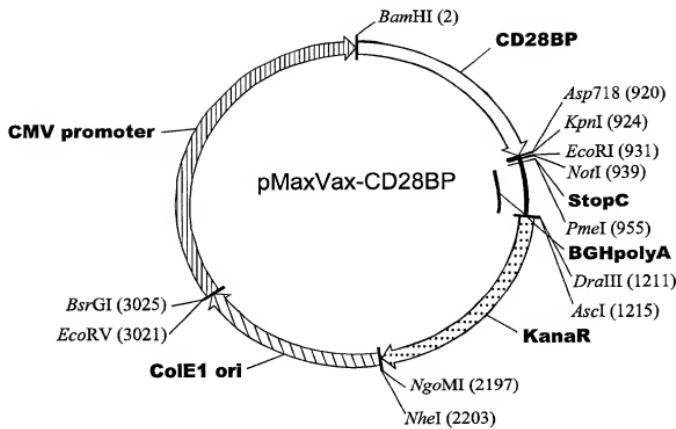
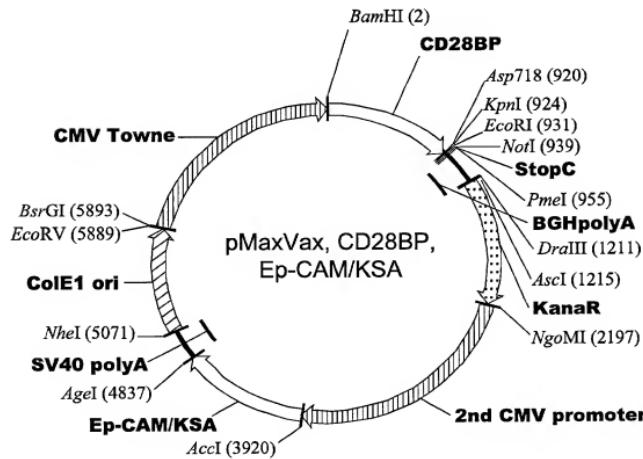


Fig. 22B



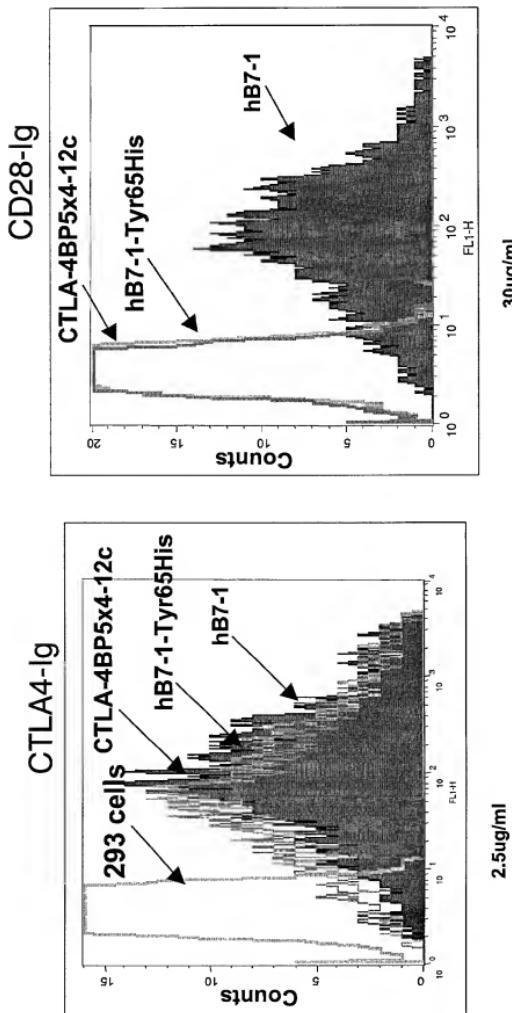


Fig. 23A
Fig. 23B

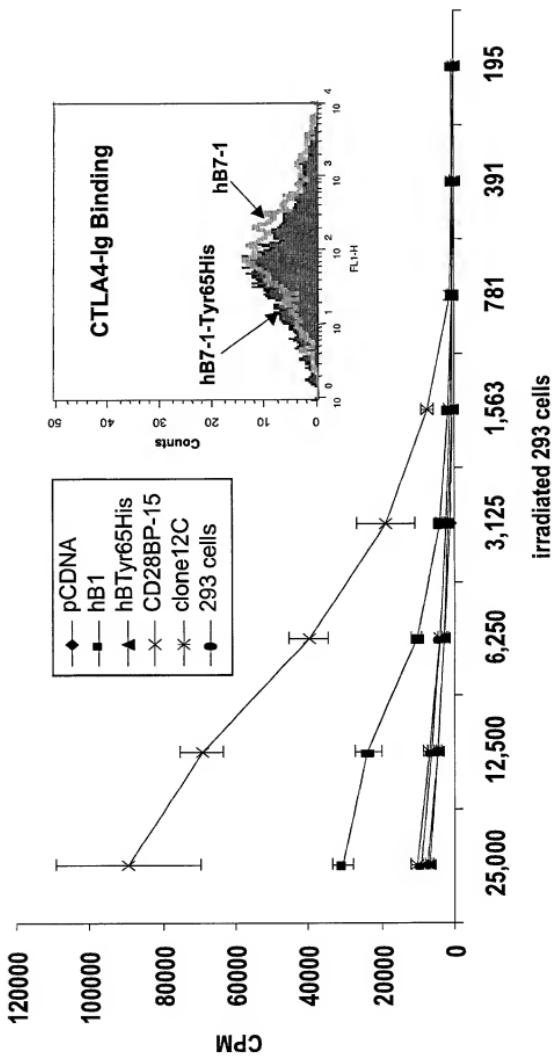


Fig. 24

Fig. 25A

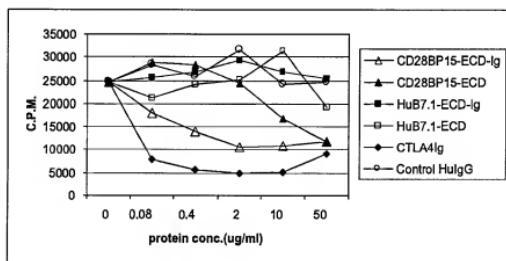


Fig. 25B

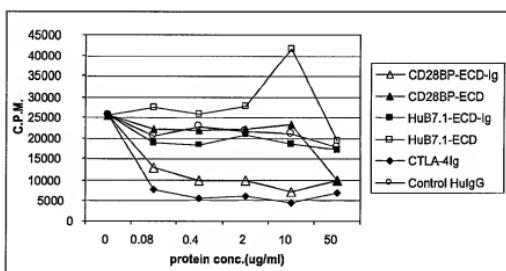


Fig. 25C

